

ANALYTIKA

Building Optimization Services

If the goal of a commissioned, energy-efficient, and high-performing building seems out of reach, consider Analytika. Our offerings--Analytika Pro, Analytika Portal, and Analytika Utility Manager--eliminate roadblocks to comfortable and efficient facilities and empower you to capture better value and performance from your building system.

Analytika can help you realize dramatic energy savings, sustainability benefits, and improved occupant comfort levels from day one and well into the future. For many of our customers, energy savings are reason enough to try Analytika. Once installed, they soon discover a wealth of other compelling benefits and features that make them wonder how they ever got by without it.

1. Collect

Analytika connects to your building automation, metering, and process automation systems regardless of vendor or geographical location, and it automatically collects and transmits that data to our secure Analysis Center.

2. Analyze

Our industry-leading modeling and fault detection engine combines big data machine analysis with engineering expertise to perform sophisticated Fault Detection and Diagnostics (FDD) on your real-time and historical data, uncovering issues and opportunities that were previously undetectable.



4. Act

In addition to checking a 'completed' box on a work order, Analytika ensures issues are addressed by analyzing the new data streams and positively proving the system or process has been restored to optimal operation.

3. Advise

Create customized dashboards to monitor critical equipment and resources, and explore resource and equipment data with powerful, interactive visualization tools.

Analytika Pro

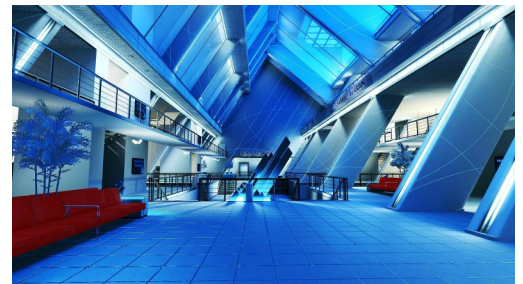
Analytika Pro provides continuous analysis of building system data, insightful and actionable reports, and the hands-on support of an industry expert who acts as your personal advisor. Analytika Pro pinpoints system anomalies before they result in mechanical failures. It reveals opportunities for meaningful, cost-effective improvements, and even models your building system to test changes and improvements before the work is scheduled. When you do make system improvements, your Analytika Pro advisor will help guide the process and ensure the quality and success of the work.

Analytika Portal

Analytika Portal self-analyzes your building system using some of the same technologies available to our experts. Analytika Portal gives your team the ability to evaluate your building's performance, identify system faults, create and track work orders, and even verify the resolution of issues all via a secure, customizable interface.

Utility Portal

Analytika Utility Manager is a web-based, software as a service (SaaS) performance management tool for enterprise energy, operations, and sustainability decision makers while providing an integrated user experience with other Analytika solutions. Analytika Utility Manager aggregates utility meter and sub-meter data enabling managers to easily monitor and manage the performance of their investments in operational projects developed using Analytika Pro, Analytika Portal, or otherwise. Furthermore, it monitors energy and operational savings, comfort improvement, reduction in GHG emissions, and streamlines the management of your internal resources and contractors.

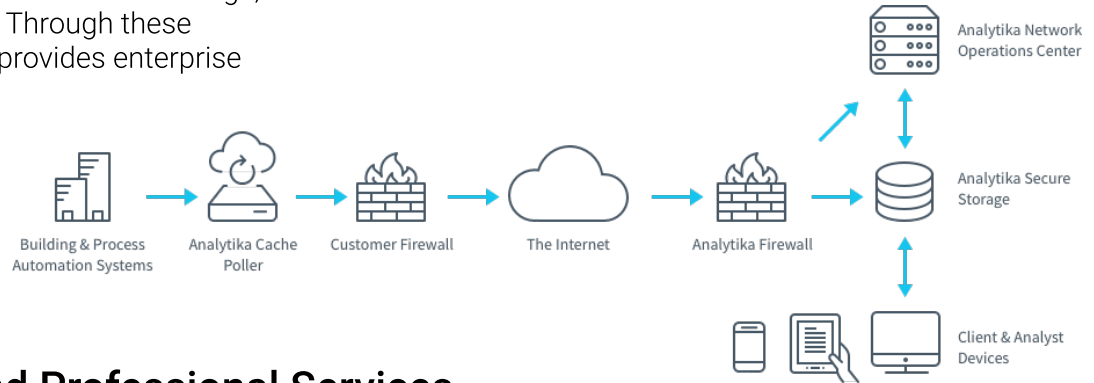


The Analytika technology is the result of a 15-year investment in the development of hardware, software and analytics around building systems and industrial processes. It combines years of experience with world class software development resulting in a robust, secure and scalable architecture.

Analytika is the leader in universal connectivity to physical systems; automated fault detection and root cause analysis; secure big data collection and storage; and topological system modeling. Through these capabilities, Analytika technology provides enterprise

management and predictive analytics to leading organizations in Pharmaceuticals and Life Sciences, Higher Education, Industrial Manufacturing, and Government.

Simplified System Architecture



Integrated Analytics and Professional Services

While the Analytika platform can uncover problems that undermine the facility's operation, resolving those issues can be a challenge. Analytika's professional service group provides building managers with a responsible, expeditious, and accountable way to ensure closure on open issues. With transparency being one of our core tenets, our consultants work openly and collaboratively with building managers as well as equipment and system vendors to leverage information from Analytika and find the best data-driven solution for the facility.

While traditional maintenance servicing can remedy many problems, gritty issues often span multiple disciplines, technologies, and equipment manufacturers. Solving these types of issues require a unique skill set not typically found in the industry today. Analytika consultants establish a new breed of high-touch professionals who are broadly experienced and ready to assist building owners and BAS industry players to solve the most critical and challenging issues uncovered by analytics.

Optimizing large and complex buildings is a challenge

The advent of big data analytics combined with professional services has created a winning combination to solve this dilemma, but how should building owners and managers decide to apply these powerful tools given their particular circumstances?



Awareness from analytics

Cloud analytics platforms provide a way to gain visibility into how a building system is performing. By creating a digital twin in the

cloud, Analytika can simulate complex engineered building systems to uncover sub-optimal operations. The Analytika system alerts facility managers of issues that require an engineering solution regardless of cause while tracking all issues to resolution.

Engineering capability to address issues

In most cases, problems uncovered by Analytika will need attention by an engineer. For this, the availability of in-house and external resources is critical to fully resolve issues detected to ensure the system continues to perform optimally. The technical skill set required for this work is broad, from BMS controls to IT networking and knowledge of mechanical HVAC equipment.

A comparison of a building owner's digital awareness from analytics to their engineering capabilities can provide a useful understanding of the challenges and dynamics at play in the quest to achieve the best-optimized building solution.